



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017



Job No: CTCE/BBMP/CR/CSR-286h/CEMENT/2020,21

TEST REPORT ON CEMENT

Date: 09.12.2020

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura (T), Bangalore-561203.
* Name of Work	: Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	: Cement
Sample Received on	: 08.12.2020
Period of Testing	: 08.12.2020 to 09.12.2020
Report Issue Date	: 09.12.2020

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	Standard Consistency	IS-4031 (Part -4) : 1988 (RA-2019)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	185 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	395 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-3) : 1988 (RA-2019)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

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- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.



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M/s. Civil-Tech Consultants & Engineers

Pooja K. L.
Authorised Signatory

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Job No: CTCE/BBMP/CR/CIR-206/LAND-Gradation/2020-21

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

09.12.2020

* Customer	: Asst. Executive Engineer, T Dandahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanwaradi Village and Post, Doddaballapur (T), Bangalore-561203.
* Name of Work	: Construction of Platform of Dandahalli Dandamaharajamma Temple in Dandahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	: Fine Aggregates (Manufactured Sand)
Test Method As Per	: IS - 2386 (Part I) : 1963 (RA-2016)
Sample Received On	: 08.12.2020
Date of Testing	: 09.12.2020
Report Issue Date	: 09.12.2020

Total Wt. of Aggregates in gms = 1000

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-2016			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	98.70	90-100	90-100	90-100	95-100
2.36	82.50	60-95	75-100	85-100	95-100
1.18	70.30	30-70	55-90	75-100	90-100
600 Micron	49.70	15-34	35-59	60-79	80-100
300 Micron	22.90	5-20	8-30	12-40	15-50
150 Micron	4.00	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Note 1:

For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2:

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Job No.: CTCE/BBMP/CR/CSR-286b/AGG/GR/2020-21

09.12.2020

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura (T), Bangalore-561203.
* Name of Work	: Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	: Coarse Aggregates (40mm)
Test Method As Per	: IS - 2386 (Part 1) : 1963 (RA-2016)
Sample Received on	: 08.12.2020
Date of Testing	: 09.12.2020
Report Issue Date	: 09.12.2020

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Total Wt. of Aggregates in gms= 5000

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.12	95-100	85-100
20	40.32	30-70	0-20
10	15.94	10-35	0-5
4.75	3.46	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

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Handwritten signature: Pooja K.L.
Authorised Signatory

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Job No.: CTCE/BBMP/CR/CSR-286b/AGG/GR/2020-21

09.12.2020

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura (T), Bangalore-561203.
* Name of Work	: Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	: Coarse Aggregates (20mm)
Test Method As Per	: IS - 2386 (Part 1) : 1963(RA-2016)
Sample Received on	: 08.12.2020
Date of Testing	: 09.12.2020
Report Issue Date	: 09.12.2020

Total Weight of Aggregates in gms = 5000

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
40	100	100	100
20	97.24	90-100	85-100
10	31.14	25-55	0-20
4.75	5.56	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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Job No.: CTCE/BBMP/CR/CSR-286b/CC Solid Block/2020-21

11.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF SOLID CONCRETE BLOCKS

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura (I), Bangalore-561203.
* Name of Work	: Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
Test Method As Per	: IS: 2185 (Part-1) : 2005 (RA-2015)
Size of Blocks	: 400mm x 200mm x 200mm
Cross Sectional Area	: 80000 mm ²
No. of Blocks Tested	: 08
Sample Received on	: 09.12.2020
Date of Testing	: 11.12.2020
Report Issue Date	: 11.12.2020



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Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (Kg/cm ²)	Requirement as per IS: 2185 (Part-1) - 2005 (RA-2015)
1	Block 1	36.25	275.6	35.18	Minimum required Compressive Strength of Individual Units 35 Kg/cm ²
2	Block 2	34.15	284.1	36.25	
3	Block 3	35.29	295.6	37.73	
4	Block 4	36.88	279.3	35.65	
5	Block 5	35.47	293.1	37.41	
6	Block 6	34.02	286.4	36.55	
7	Block 7	36.90	301.3	38.46	
8	Block 8	35.18	309.0	39.43	

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BB
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Dod
* Name of the work	: Construction of Platform of Dasarahalli Dandinamaramma
* Reference	: Dasarahalli in Ward No.15, BBMP, Bangalore.
* Sample ID	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
Technical Reference	: Cement Concrete
Size of cubes	: IS: 516-1959 (RA-2018)
Cross Sectional Area	: 150mmx150mmx150mm
* Grade of Concrete	: 22500 mm ²
Compressive Strength as on	: M ₁₅
Sample Received on	: 28 th day
Report Issue Date	: 19.02.2021

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	s
1	22.01.2021	19.02.2021	8.147	379.6	
2	22.01.2021	19.02.2021	8.306	382.1	
3	22.01.2021	19.02.2021	8.500	399.9	

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	1 Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore
* Agency	1 Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura
* Name of the work	1 Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	1 EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	1 Cement Concrete
Technical Reference	1 IS: 516-1959 (RA-2018)
Size of cubes	1 150mmx150mmx150mm
Cross Sectional Area	1 22500 mm ²
* Grade of Concrete	1 M ₁₅
Compressive Strength as on	1 28 th day
Sample Received on	1 19.02.2021
Report Issue Date	1 19.02.2021

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength
1	22.01.2021	19.02.2021	8.411	373.6	16
2	22.01.2021	19.02.2021	8.302	387.9	17
3	22.01.2021	19.02.2021	8.123	395.0	17

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Job No.: CTCE/BBMP/CR/SS Pipe/2020-21



06.01.2021

TEST REPORT ON SS RAILING PIPE

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura (T), Bangalore-561203.
* Name of work	: Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	: Stainless Steel Pipe 50mm dia
Date of Sample	: 06.01.2021
Report Issue Date	: 06.01.2021

PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	2.90 mm
2	Inner Diameter	50 mm
3	Outer Diameter	60.4 mm
4	Weight / Meter	4.09 kg

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06.01.2021

TEST REPORT ON SS RAILING PIPE

* Customer	: Asst. Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Sri. C. Rajanna, No.36, Kanasavadi Village and Post, Doddaballapura (T), Bangalore-561203.
* Name of work	: Construction of Platform of Dasarahalli Dandinamaramma Temple in Dasarahalli in Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/126/2020-21 Dated:05.11.2020
* Sample ID	: Stainless Steel Pipe 25mm dia
Date of Sample	: 06.01.2021
Report Issue Date	: 06.01.2021

PHYSICAL TEST

SLNo	Description	Result
1	Thickness	2.70 mm
2	Inner Diameter	25.00 mm
3	Outer Diameter	33.90 mm
4	Weight / Meter	1.99 kg

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